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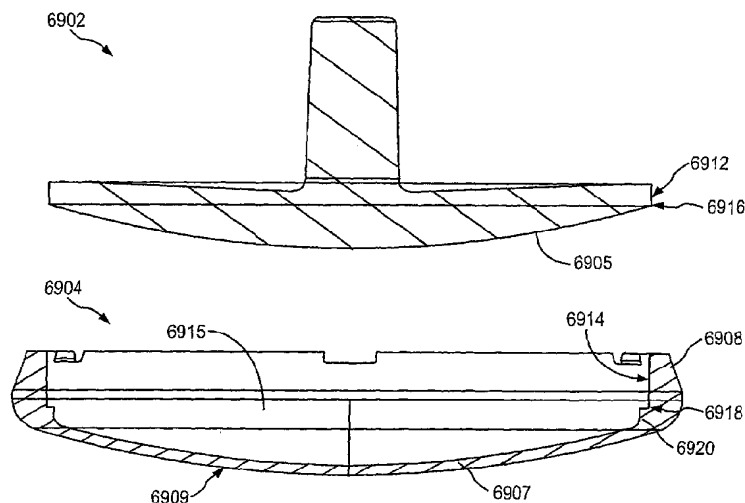
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(54) Title: SYSTEM AND METHOD FOR JOINT RESURFACE REPAIR



(57) Abstract: An implant for installation into a portion of an articular surface includes an implant shell component having a proximal load bearing wall with an outer proximal load bearing surface. A peripheral rim extending distally relative to the load bearing wall may provide a bone-facing distal pocket on the shell component. An inner implant component may be received in the bone-facing distal pocket of the implant such that a proximal surface of the inner component is spaced apart from a distal surface of the load bearing wall. The contour of the load bearing surface may be based on an original surface contour of an articular surface, and the load bearing wall of the shell component may be a deflectable wall, so that the load bearing surface can deflect under an applied load. The space between the load bearing wall and the inner implant may include a compressible fluid such as elastomeric gels.



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# INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/05539

| <b>A. CLASSIFICATION OF SUBJECT MATTER</b><br>IPC(7) : A61F 2/38<br>US CL : 623/20.14<br>According to International Patent Classification (IPC) or to both national classification and IPC  |  |  |  |  |  |   |   |  |   |  |  |   |  |      |   |   |      |   |   |      |   |   |      |
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| <b>B. FIELDS SEARCHED</b><br>Minimum documentation searched (classification system followed by classification symbols)<br>U.S. : 623/20.14, 20.15, 20.11, 20.23, 20.27, 20.29, 20.31, 18.11, 19.11, 20, 20.21, 20.18<br>Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched<br>Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)<br>East -- implant, component   |  |  |  |  |  |   |   |  |   |  |  |   |  |      |   |   |      |   |   |      |   |   |      |
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| Date of the actual completion of the international search<br>31 August 2004 (31.08.2004)  |  | Date of mailing of the international search report<br>30 DEC 2004                    |  |  |  |   |   |  |   |  |  |   |  |      |   |   |      |   |   |      |   |   |      |
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